IN THE CLAIMS

Please amend the claims as follows.

1-27 (canceled)

28. (new) A method for modifying a transformation T that transforms first colorants in a first device dependent colorant space into second colorants in a second device dependent colorant space, the method comprising the steps of:

selecting at least one set of colorants in said first colorant space;

transforming said set of colorants from said first to said second colorant space using said transformation T to obtain a set of transformed colorants;

having at least one of the transformed set of colorants modified by a user; and

automatically adjusting the transformation T so that a modified colorant set retains at least one psychovisual or psychophysical quantity related to the set of transformed colorants.

29. (new) The method according to claim 1, further including the step of eliminating at least one undesired colorant.

30. (new) The method according to claim 1, wherein said at least one set of colorants is made from primary or secondary colors.

31. (new) The method according to claim 1, wherein said method is user interactive.

32. (new) The method according to claim 1, wherein said first colorant space corresponds with a printing device and said second colorant space corresponds with a proofing device.

33. (new) The method according to claim 1, wherein said first colorant space corresponds with a first CMYK ink set and said second colorant space corresponds with a second CMYK ink set different from said first CMYK ink set.

34. (new) The method of claim 1 further including a step of converting an image represented in said first colorant space into an image represented in said second colorant space using said modified transformation.

35. (new) An interpolation table for converting first colorants in a first device dependent colorant space into second colorants in a second device dependent colorant space different from said first space, said interpolation table comprising a transformation obtained using the method of claim 1.